

ABSTRACT OF DISCLOSURE

A virus neutralizing level of antibodies to a primary HIV isolate is generated in a host by a prime-boost administration of antigens. The primary antigen is a DNA molecule encoding an envelop glycoprotein of a primary isolate of HIV-1 while the boosting antigen is either a non-infectious, non-replicating HIV-like particle having the envelope glycoprotein of a primary isolate of HIV-1 or an attenuated viral vector expressing an envelope glycoprotein of a primary isolate of HIV-1.